

INV-IMX230FF-21MP

21MP High-Resolution Camera Module with Sony Exmor RS™ IMX230 Sensor, MIPI-CSI Interface

The INV-IMX230FF is a 1/2.4-inch 21MP CMOS digital image sensor featuring Sony Exmor RS™ technology. It provides a 5344 (H) × 4016 (V) active pixel array with 1.12 μm pixels, delivering highly detailed images for demanding imaging and embedded vision applications.

The sensor provides excellent image quality with advanced HDR imaging and noise reduction. It supports 4K video at up to 30 frames per second, Full HD video at 60 frames per second, and high-speed 720p video at up to 120 frames per second for flexible image and video capture.

The INV-IMX230FF combines a 2.35 mm focal length with a selectable 190°/142°/70° diagonal field of view and a fixed-focus range from approximately 10 cm to infinity. Its MIPI interface and 33 mm × 28 mm × 14.7 mm module design make it well suited for robotics, machine vision, UAVs, IoT devices, and high-resolution imaging systems.



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High-resolution 21MP imaging for highly detailed photographs and advanced vision applications.



Sony Exmor RS™ technology for high-quality imaging with fast image capture and low noise.



HDR imaging for improved detail and color reproduction in high-contrast scenes.



High-speed video capture with support for 4K at 30 fps, 1080p at 60 fps, and 720p at 120 fps.



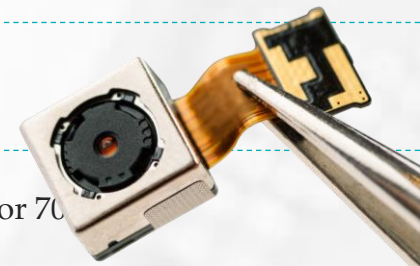
Advanced image processing features including white-spot correction and noise reduction.



Multiple field-of-view options providing 190°, 142°, or 70° coverage for different imaging requirements.



MIPI interface and compact module design for integration into robotics, IoT, machine vision, and embedded imaging platforms.



Resolution	Sensor Vendor	Image Sensor	Interface	Focus	Optical Size	EFL	FOV (degrees)	Focus Range	Optical Distortion	Module Size (mm)	Application
21MP	Sony	IMX230	MIPI	FF	1/2.4"	2.35mm	190/142/70	10CM-∞	-	33x28x14.7mm	Robotics, UAVs, Machine Vision